



Exam – 20 points – 50 minutes

Scenario: **Online Grocery Delivery Application (i.e.: No Frills, Loblaws, Metro, Sobeys, etc.)**

Overview: the exam evaluates your comprehension and practical application of fundamental data management.

Instructions: Use Lucidchart or Draw.io to

1. Develop the Process/ Data Flow Diagram (**P/DFD**) – Level 1, indicating the flow of data among processes. Show ownerships and orchestration.

Save as: ***student's name* _DFD** as a **PDF file** (no screen shot)

2. Develop the Entity-Relationship Diagram (**ERD/2NF**). Your design must adhere to best practices in data management. Use Crow's Foot notation.

The ERD must allow, for example: customers to browse grocery items by types, manage orders, weight, delivery, etc. Indicate Master Data, add Reference Data and Metadata tables.

Save as: ***student's name* _ERD** as a **PDF file** (no screen shot)

3. **Apply Data Governance:** select one DAMA Wheel sub-domain. Develop a principle, an aligned policy, and a corresponding procedure. Use MS Word.

Save as: ***student's name* _GOV** as a **PDF file**

4. **Submit** the 3 PDFs using the submission link that corresponds to your exam group letter

Important: Excerpt from the College Policy on Academic Dishonesty: The minimal consequence for submitting a plagiarized, purchased, contracted, or in any manner inappropriately negotiated or falsified assignment, test, essay, project, or any evaluated material will be a grade of zero on that material. To view George Brown College policies please go to www.georgebrown.ca/policies